

FIGURE 1A

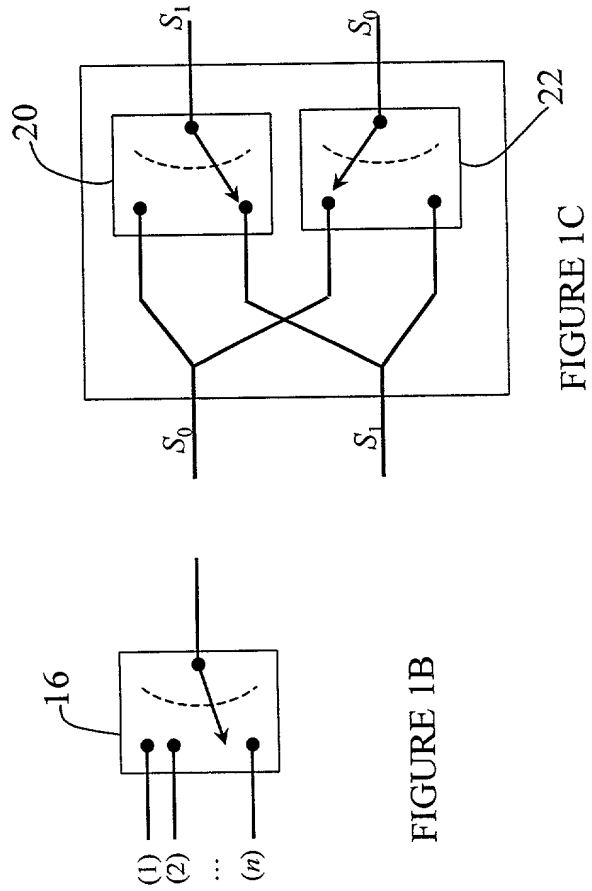


FIGURE 1B

FIGURE 1C

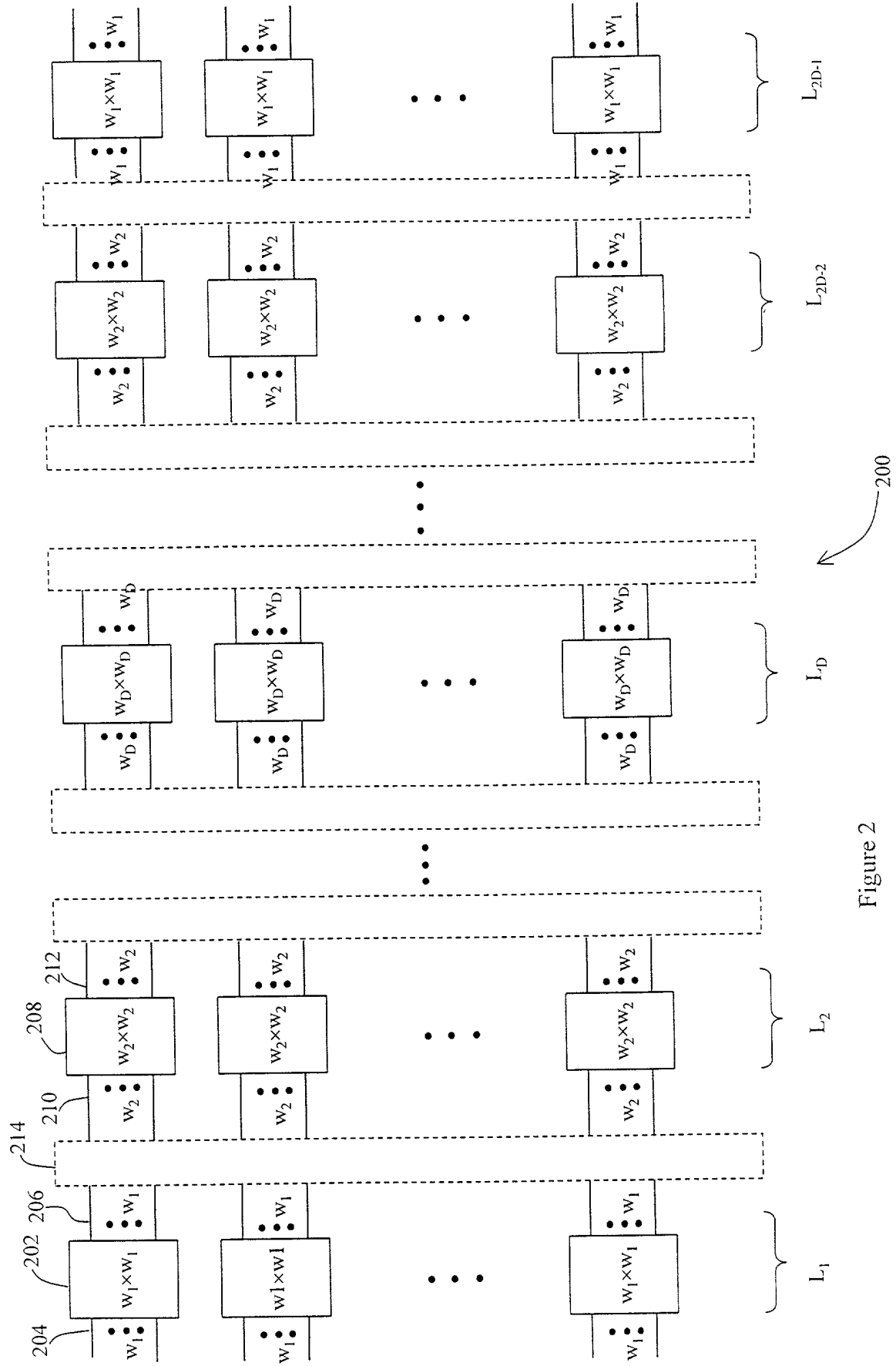


Figure 2

FIGURE 3A

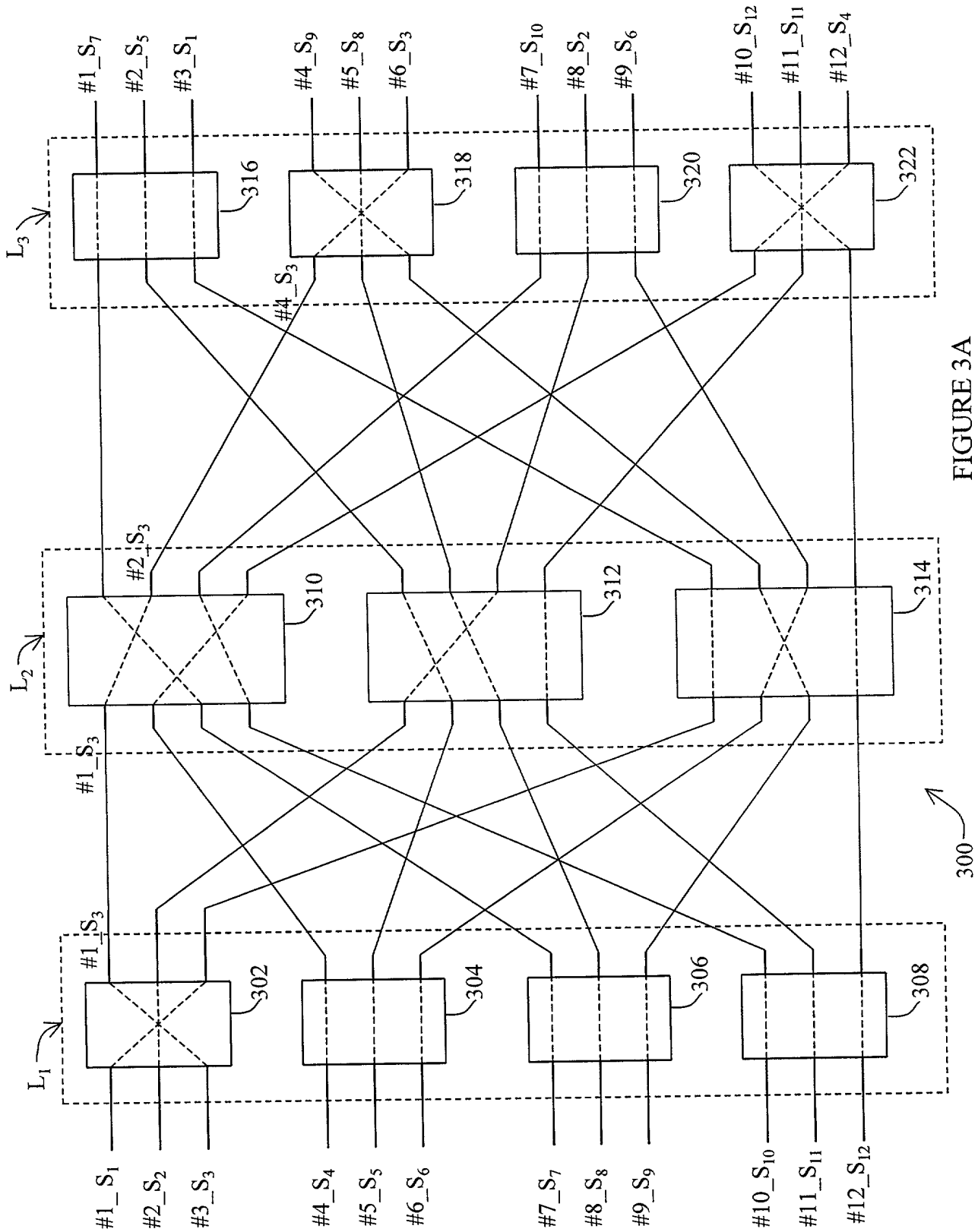


FIGURE 3A

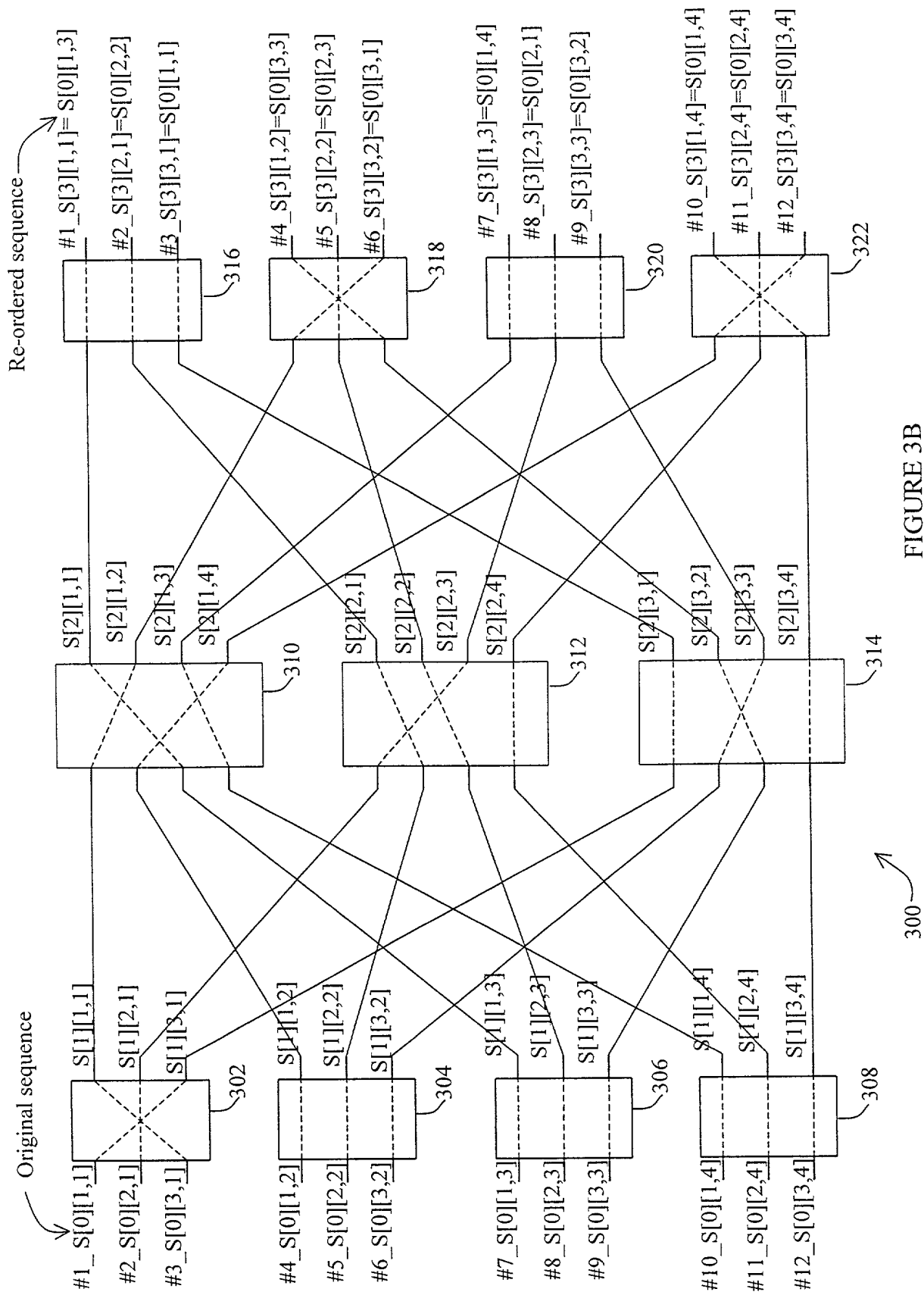


FIGURE 3B

MAPPING GOAL

Input #1 : [1,1]	→	Output #1 : [3,1]
Input #2 : [2,1]	→	Output #2 : [2,3]
Input #3 : [3,1]	→	Output #3 : [3,2]
Input #4 : [1,2]	→	Output #4 : [3,4]
Input #5 : [2,2]	→	Output #5 : [2,1]
Input #6 : [3,2]	→	Output #6 : [3,3]
Input #7 : [1,3]	→	Output #7 : [1,1]
Input #8 : [2,3]	→	Output #8 : [2,2]
Input #9 : [3,3]	→	Output #9 : [1,2]
Input #10 : [1,4]	→	Output #10 : [1,3]
Input #11 : [2,4]	→	Output #11 : [2,4]
Input #12 : [3,4]	→	Output #12 : [1,4]

SWITCH SEQUENCE

[1,1] →	[3,1] →	[3,1] →	[3,1]
[2,1] →	[2,1] →	[2,3] →	[2,3]
[3,1] →	[1,1] →	[1,2] →	[3,2]
[1,2] →	[1,2] →	[1,4] →	[3,4]
[2,2] →	[2,2] →	[2,1] →	[2,1]
[3,2] →	[3,2] →	[3,3] →	[3,3]
[1,3] →	[1,3] →	[1,1] →	[1,1]
[2,3] →	[2,3] →	[2,2] →	[2,2]
[3,3] →	[3,3] →	[3,2] →	[1,2]
[1,4] →	[1,4] →	[1,3] →	[1,3]
[2,4] →	[2,4] →	[2,4] →	[2,4]
[3,4] →	[3,4] →	[3,4] →	[1,4]

L₁: Exchange first coordinate

L₃: Exchange first coordinate

Figure 4A

L₂: Exchange second coordinate

Figure 4B

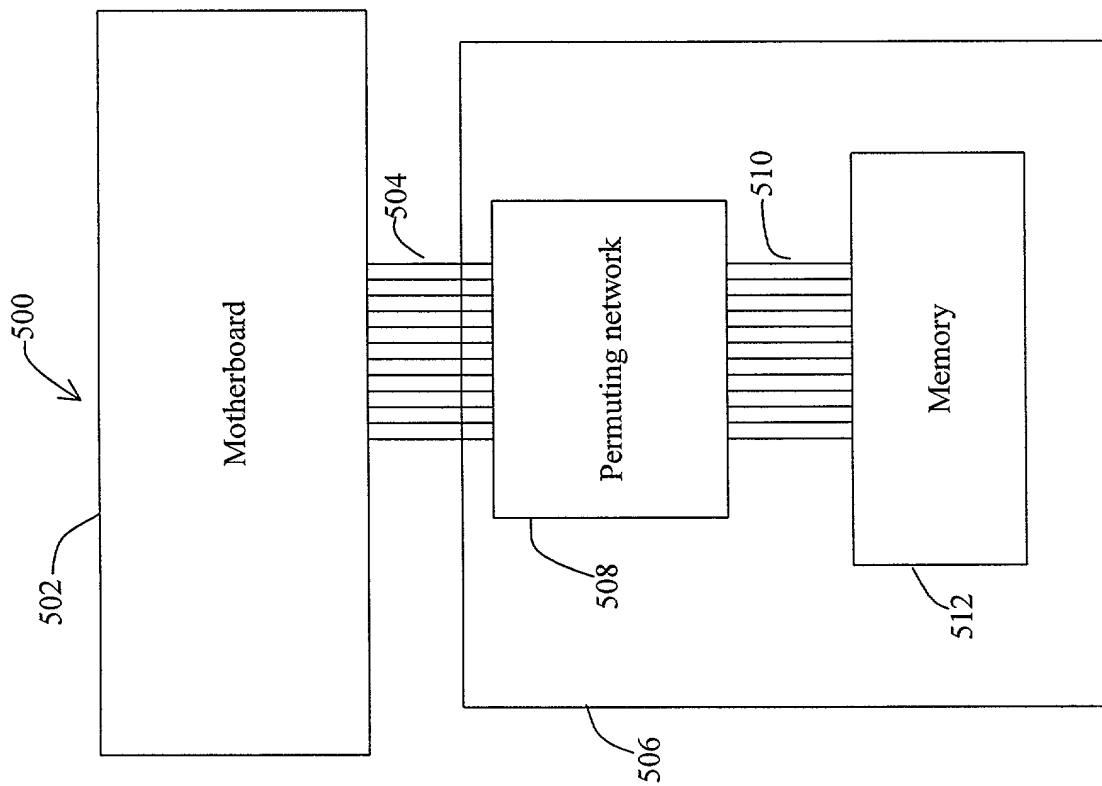


FIGURE 5A

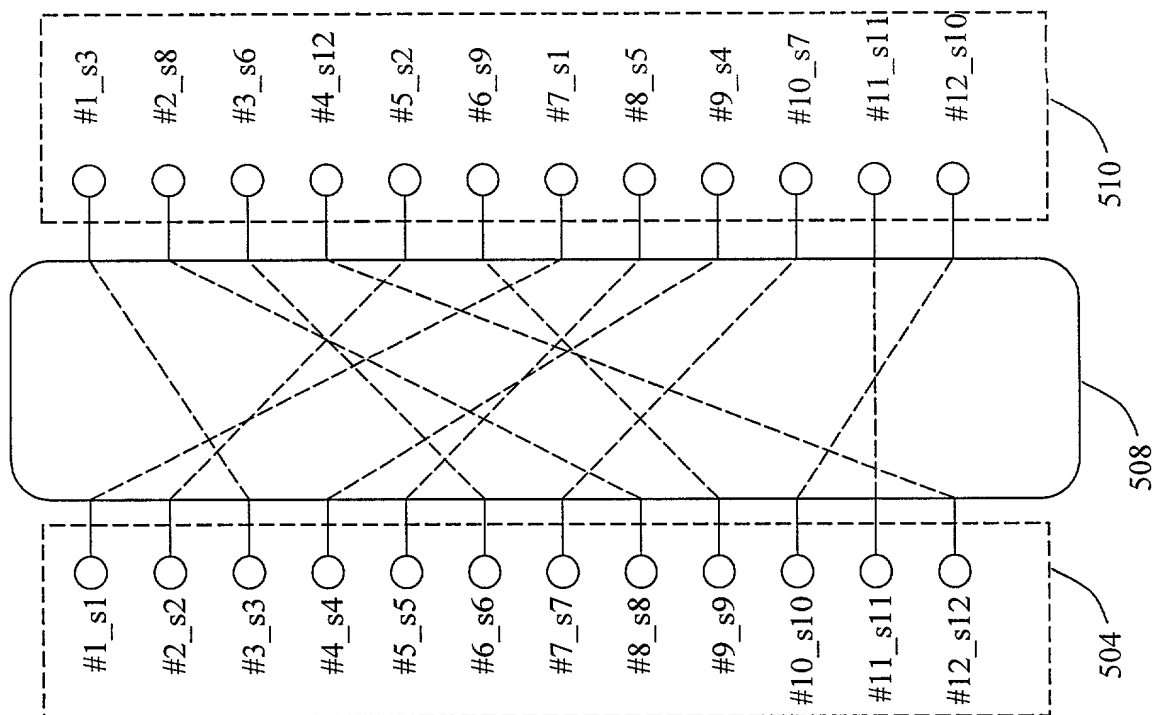


FIGURE 5B

FIGURE 6

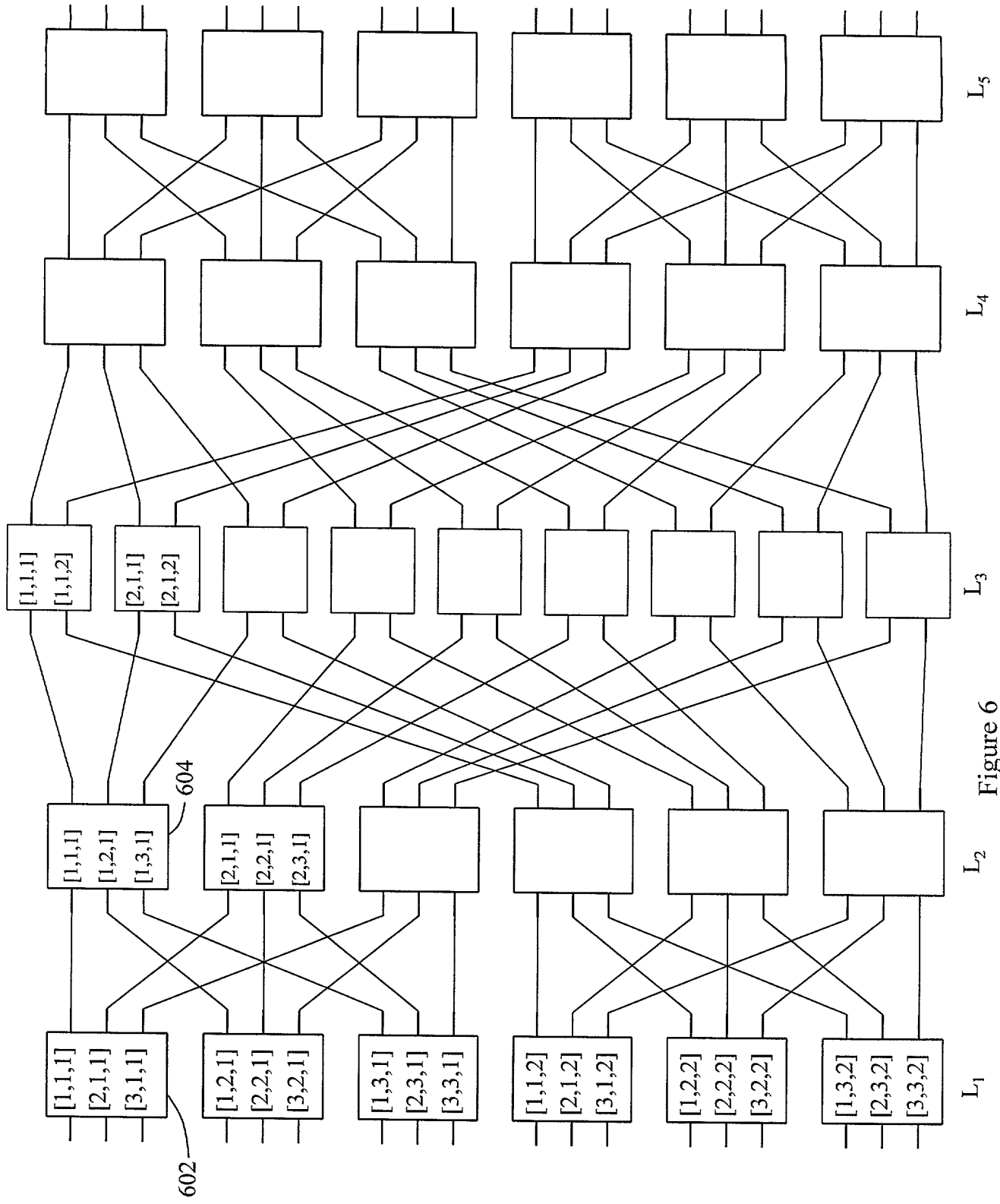


Figure 6